

CLAIMS

We claim:

1 A trailer wheel lock device, comprising:

2 an elongated rod having a head end and a second end, said
3 rod being sized and dimensioned for extending through openings
4 defined in wheels disposed at opposite ends of a trailer axle,
5 said rod having an annular groove for engaging a latch pin of a
6 lock defined about the rod at said head end, said groove
7 defining a head;

8 a stop located at said second end of said rod; and

9 a rod receiving lock having a housing having an inner end
10 and an outer end, said inner end having an opening defined
11 therein dimensioned and configured for receiving said head end
12 of the rod and engaging said head for locking over said head;

13 wherein said rod is adapted for insertion through
14 corresponding openings in a pair of trailer wheels on opposite
15 ends of a trailer axle with the stop abutting one of the wheels
16 and the lock mechanism attached to the head end of the rod so

17 as to abut the other of said wheels so as to lock the trailer
18 wheels against rotation.

1 2. The trailer wheel locking device according to claim 1,
2 further comprising a first washer disposed on said rod and
3 located at said second end of said rod abutting said stop for
4 preventing the second end of said rod from passing through an
5 opening in a trailer wheel.

1 3. The trailer wheel locking device according to claim 2,
2 further comprising a second washer disposed on the head end of
3 said rod for bearing against a trailer wheel.

1 4. The trailer wheel locking device according to claim 1,
2 further comprising a thrust washer having a radial mounting
3 slot for axially mounting said thrust washer on said rod, said
4 rod having a receiving groove spaced from said rod head so
5 sized as to receive said thrust washer.

6 5. The trailer wheel locking device according to claim 4,
7 said thrust washer having an outer face having a lock seat
8 recess therein for receiving an inner portion of the housing of
9 said receiver lock.

1 6. The trailer wheel locking device according to claim 5,
2 wherein said thrust washer receiving groove in said rod is
3 spaced from said head a length such that the inner end of said
4 lock is seated in said lock seat recess when said lock is
5 engaged with said rod head.

1 7. The trailer wheel locking device according to claim 6,
2 wherein said lock seat recess extends radially from an
3 intermediate point along said mounting slot to the opposite
4 periphery of said thrust washer.

1 8. The trailer wheel locking device according to claim 7,
2 wherein said lock seat recess extends about half the thickness
3 of said thrust washer, forming a surface parallel with said
4 thrust washer outer surface.

1 9. The trailer wheel locking device according to claim 8,
2 wherein said lock seat recess surface extends along the length
3 of said mounting slot, forming grooves therein having grove
4 walls separated by a distance such as to fit over said rod when
5 said thrust washer is installed in said thrust washer receiving
6 groove.